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PTO/SB/21 (05-03)

Approved for use through 04/30/2003. OMB 0651-0031
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|-------------------------------------------------------------------------------------|------------------------|-----------------------|
| TRANSMITTAL FORM (to be used for all correspondence after initial filing) | Application Number | 09/425,804 |
| | Filing Date | Oct 25, 1999 |
| | First Named Inventor | Gorenstein, David G. |
| | Art Unit | 1634 |
| | Examiner Name | Zitomer, Stephanie W. |
| Total Number of Pages in This Submission | Attorney Docket Number | UTMB:1001 |

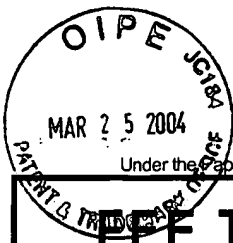
| ENCLOSURES (check all that apply) | | |
|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Drawing(s) | <input type="checkbox"/> After Allowance communication to Group |
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| <input type="checkbox"/> After Final | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information |
| <input type="checkbox"/> Affidavits/declaration(s) | <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address | <input type="checkbox"/> Status Letter |
| <input type="checkbox"/> Extension of Time Request | <input type="checkbox"/> Terminal Disclaimer | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): |
| <input type="checkbox"/> Express Abandonment Request | <input type="checkbox"/> Request for Refund | Form SB-08A; 11 cited references; PTO Form 2038; Return postcard |
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| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | | |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | |
|--------------------------------------------|------------------------------------------------------|
| Firm or Individual name | Edwin Flores, Reg. No. 38,453 Chalker Flores, LLP |
| Signature | |
| Date | March 19, 2004 |

| CERTIFICATE OF TRANSMISSION/MAILING | | | |
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| I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. | | | |
| Type or printed | Edwin Flores, Reg. No. 38,453 | | |
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PTO/SB/17 (10-03)

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| FEE TRANSMITTAL for FY 2004 <i>Effective 10/01/2003. Patent fees are subject to annual revision.</i> | | Complete if Known | |
| | | Application Number | 09/425,804 |
| | | Filing Date | 10/25/1999 |
| | | First Named Inventor | Gorenstein, et al. |
| | | Examiner Name | Zitomer, Stephanie W. |
| | | Art Unit | 1634 |
| | | Attorney Docket No. | UTMB:1001 |
| <input checked="" type="checkbox"/> Applicant Claims small entity status. See 37 CFR 1.27 | | | |
| TOTAL AMOUNT OF PAYMENT | | (\$) 180.00 | |

| METHOD OF PAYMENT (check all that apply) | | | | FEE CALCULATION (continued) | | | |
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| <input type="checkbox"/> Check <input checked="" type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None | | | | 3. ADDITIONAL FEES | | | |
| <input type="checkbox"/> Deposit Account | | | | | | | |
| Deposit Account Number | | | | | | | |
| Deposit Account Name | | | | | | | |
| The Director is authorized to: (check all that apply) | | | | | | | |
| <input type="checkbox"/> Charge fee(s) indicated below <input type="checkbox"/> Credit any overpayments | | | | | | | |
| <input type="checkbox"/> Charge any additional fee(s) or any underpayment of fee(s) | | | | | | | |
| <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account. | | | | | | | |
| FEE CALCULATION | | | | | | | |
| 1. BASIC FILING FEE | | | | | | | |
| Large Entity | Small Entity | Fee Code | Fee (\$) | Fee Description | Fee Paid | | |
| 1001 | 2001 | 770 | 385 | Utility filing fee | | | |
| 1002 | 2002 | 340 | 170 | Design filing fee | | | |
| 1003 | 2003 | 530 | 265 | Plant filing fee | | | |
| 1004 | 2004 | 770 | 385 | Reissue filing fee | | | |
| 1005 | 2005 | 160 | 80 | Provisional filing fee | | | |
| SUBTOTAL (1) | | | | (\$) 0.00 | | | |
| 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE | | | | | | | |
| Total Claims Independent Claims | | | | | | | |
| Multiple Dependent | | | | | | | |
| Extra Claims | | | | | | | |
| Fee from below | | | | | | | |
| Fee Paid | | | | | | | |
| Large Entity | Small Entity | Fee Code | Fee (\$) | Fee Description | Fee Paid | | |
| 1202 | 2202 | 18 | 9 | Claims in excess of 20 | | | |
| 1201 | 2201 | 86 | 43 | Independent claims in excess of 3 | | | |
| 1203 | 2203 | 290 | 145 | Multiple dependent claim, if not paid | | | |
| 1204 | 2204 | 86 | 43 | **Reissue independent claims over original patent | | | |
| 1205 | 2205 | 18 | 9 | **Reissue claims in excess of 20 and over original patent | | | |
| SUBTOTAL (2) | | | | (\$) 0.00 | | | |
| Other fee (specify) | | | | | | | |
| *Reduced by Basic Filing Fee Paid | | | | | | | |
| SUBTOTAL (3) | | | | (\$) 180.00 | | | |

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|---------------------|--------------|-----------------------------------|----------------|
| SUBMITTED BY | | Complete (if applicable) | |
| Name (Print/Type) | Edwin Flores | Registration No. (Attorney/Agent) | 38,453 |
| Signature | | Telephone | (214) 866-0001 |
| | | Date | 3/19/04 |

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Gorenstein, et al.

Serial No.: 09/425,804

Filed: 10/25/1999

Title: Thio Modified Aptamer Synthetic Methods and Compositions

Attorney File No.: UTMB:1001

Group Art Unit: 1634

Examiner: Zitomer, Stephanie W.

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Dear Sir:

This Fourth Supplemental Information Disclosure Statement is submitted:

☐ under 37 CFR 1.97(b), or (Within three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last)

☒ under 37 CFR 1.97(c) together with either a:

☐ Statement under 37 CFR 1.97(e), or

☒ a \$180.00 fee under 37 CFR 1.17(p), or

(After the CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)

☐ under 37 CFR 1.97(d) together with a:

☐ Statement under 37 CFR 1.97(e), and

☐ a \$180.00 fee set forth in 37 CFR 1.17(p).

(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

☒ Applicant(s) submit herewith Form PTO 1449-Information Disclosure Citation together with copies, of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

The relevance of the attached references is that this is the closest art of which Applicant is aware. Applicant submits that the above references taken alone or in combination neither anticipate nor render obvious the present invention. Consideration of the foregoing in relation to this application is respectfully requested.

It is requested that the information disclosed herein be made of record in this application.

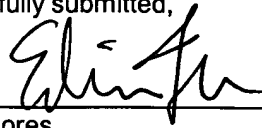
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Date of Deposit: March 19, 2004

Typed Name: Edwin Flores

Signature: 

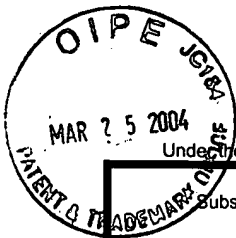
Respectfully submitted,


Edwin Flores
Attorney/Agent for Applicant(s)
Reg. No. 38,453

Date: March 19, 2004
Telephone No.: (214) 866-0001

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

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|------------------------|-----------------------|
| Application Number | 09/425,804 |
| Filing Date | 10/25/1999 |
| First Named Inventor | Gorenstein et al. |
| Art Unit | 1634 |
| Examiner Name | Zitomer, Stephanie W. |
| Attorney Docket Number | UTMB:1001 |

Sheet 1 of 1

U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--------------------------------------------|--------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|
| | | Number - Kind Code ² (if known) | | | |
| | | US-2003 0162216 | 08/28/03 | Gold, et al. | |
| | | US-6,544,776 | 04/08/03 | Gold, et al. | |
| | | US-6,503,715 | 01/07/03 | Gold, et al. | |
| | | US-6,458,543 | 10/01/02 | Gold, et al. | |
| | | US-6,423,493 B1 | 07/23/02 | Gorenstein, et al. | |
| | | US-6,242,246 | 06/05/01 | Gold, et al. | |
| | | US-5,853,984 | 12/29/98 | Davis, et al. | |
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FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
|--------------------|-----------------------|-------------------------------------------------------------------------------------|--------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|----------------|
| | | Country Code ³ - Number ⁴ - Kind Code ⁵ (if known) | | | | |
| | | WO 99 31275 | 06/24/99 | Gold, et al. | | |
| | | WO 96 41019 A1 | 08/17/00 | Janjic, et al. | | |
| | | WO 92 14843 | 09/03/92 | Toole, et al. | | |
| | | WO 00 47774 A1 | 08/17/00 | Janjic, et al. | | |
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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